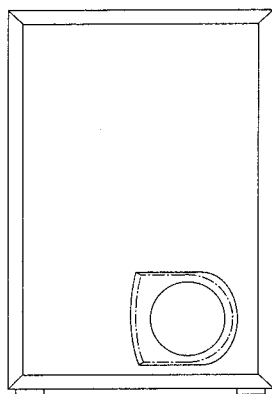


aiwa



TS-W35



ACTIVE SPEAKER SYSTEM

• TYPE: EZ,K

SPECIFICATIONS

Input terminals

INPUT 1 jack
INPUT 2 terminals

Input sensitivity/impedance

INPUT 1: 0.8 V/50 kilo ohms (at 60 Hz)
INPUT 2: 8 V/4.4 kilo ohms (L and R) (at 60 Hz)

Output terminals

SPEAKERS OUT terminals

Power output

Rated: 50 W (8 ohms, T.H.D. 1%, 60 Hz/DIN 45500)
Reference: 60 W (8 ohms, T.H.D. 10%, 60Hz/DIN 45324)
DIN Music Power: 100W

Frequency response

35 Hz – 200 Hz

Speaker type

Bass reflex type

Speaker unit

20 cm (Magnetically shielded type)

Power requirement

AC 230 V, 50 Hz

Power consumption

60 W

Dimensions (w/h/d)

260 x 304 x 381 mm

Weight

7.6 kg

• Design and specifications are subject to change without notice.

MANUAL
SERVICE

ACCESSORIES / PACKAGE LIST

If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	87-YP4-906-010		IB,E(EGFSI) DHM<EZBM>
1	87-YP4-905-010		IB,K(E)DHM<KBNM>
2	87-YP3-632-010		CORD ASSY, PIN P-C285V-30

ELECTRICAL MAIN PARTS LIST

If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

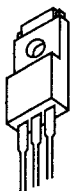
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
IC				C37	87-010-405-080		CAP, ELECT 10-50V
				C38	87-010-405-080		CAP, ELECT 10-50V
	87-002-727-010		IC,NJM4558L	C39	87-010-405-080		CAP, ELECT 10-50V
	87-A20-102-010		IC,STK405-090A	C40	87-010-405-080		CAP, ELECT 10-50V
	84-SP2-636-010		IC,MC14013BCP	C41	87-010-405-080		CAP, ELECT 10-50V
TRANSISTOR				C42	87-010-382-080		CAP, ELECT 22-25V
	89-318-155-080		TR,2SC1815 (0.4W)	C43	87-010-385-080		CAP, ELECT 220-25V
	89-110-155-080		TR,2SA1015(0.4W)	C44	87-010-405-080		CAP, ELECT 10-50V
	89-406-555-080		TR,2SD655 (0.5W)	C45	87-010-405-080		CAP, ELECT 10-50V
	89-322-405-080		TR,2SC2240GR	C46	87-010-385-080		CAP, ELECT 220-25V
	89-420-612-010		TR,2SD2061 (2W)	C47	87-010-385-080		CAP, ELECT 220-25V
DIODE				D6	86-SP2-629-080		LED,3 RED
	87-020-465-080		DIODE,1SS133 (110MA)	FC1	87-YP4-610-010		F-CABLE 6P PT
	87-020-405-080		ZENER,HZ12B2L	J1	87-099-801-010		JACK,PIN 1P BLK
	87-017-978-080		DIODE,1N4003	J2	86-SP2-641-010		TERMINAL,SPKR 4P
	87-020-123-080		DIODE,DS446 (200MA)	J3	86-SP2-641-010		TERMINAL,SPKR 4P
	86-SP2-639-010		DIODE,D3SBA20	R75	87-YP3-627-010		RES,M/F 0.22-1W
MAIN C.B				R78	87-YP3-627-010		RES,M/F 0.22-1W
C1	87-010-405-080		CAP, ELECT 10-50V	S1	86-SP2-633-010		SW,SL 1-1-2
C2	87-010-405-080		CAP, ELECT 10-50V	S2	86-SP8-612-010		SW,SL 2-2-2
C3	87-010-405-080		CAP, ELECT 10-50V	S3	86-SP2-633-010		SW,SL 1-1-2
C5	87-018-132-080		CAP, CER 2200P-16V	S4	87-YP4-607-010		202-SPUN19,SW PUSH
C6	87-010-401-080		CAP, ELECT 1-50V	VR1	87-YP4-604-010		104-20KB-14002,VR RTRY
C7	87-018-209-080		CAP, CER 0.1-50V	POWER C.B			
C8	87-010-382-080		CAP, ELECT 22-25V	C101	87-010-384-080		CAP, ELECT 100-25V
C11	87-018-209-080		CAP, CER 0.1-50V	C102	87-010-260-080		CAP, ELECT 47-25V
C12	87-010-405-080		CAP, ELECT 10-50V	C103	87-010-405-080		CAP, ELECT 10-50V
C13	87-010-401-080		CAP, ELECT 1-50V	C104	87-010-396-080		CAP,E 470-35 SME
C14	87-018-209-080		CAP, CER 0.1-50V	C105	87-010-405-080		CAP, ELECT 10-50V
C18	87-018-123-080		CAP, CER 220P-50V	C106	87-010-394-080		CAP ELECT220-35V
C19	87-010-405-080		CAP, ELECT 10-50V	C107	87-018-209-080		CAP, CER 0.1-50V
C20	87-010-385-080		CAP, ELECT 220-25V	C108	87-018-209-080		CAP, CER 0.1-50V
C21	87-010-405-080		CAP, ELECT 10-50V	C109	87-010-402-080		CAP, ELECT 2.2-50V
C22	87-018-131-080		CAP, CER 1000P-50V	C110	87-010-384-080		CAP, ELECT 100-25V
C23	87-018-131-080		CAP, CER 1000P-50V	C112	87-018-209-080		CAP, CER 0.1-50V
C24	87-010-401-080		CAP, ELECT 1-50V	C113	87-018-209-080		CAP, CER 0.1-50V
C25	87-010-401-080		CAP, ELECT 1-50V	△ F101	87-035-455-010		FUSE 2A250V T W/C
C26	87-010-406-080		CAP, ELECT 22-50	△ FC101	87-033-213-080		CLAMP, FUSE
C27	87-010-406-080		CAP, ELECT 22-50	△ FC102	87-033-213-080		CLAMP, FUSE
C28	87-018-141-080		CAP, CERA-SOL SS 3.3P CH	△ PR101	87-A90-393-080		PROTECTOR,0.5A 491SERISE 60V
C29	87-018-141-080		CAP, CERA-SOL SS 3.3P CH	△ PR102	87-A90-091-080		PROTECTOR,2A 491
C30	87-018-209-080		CAP, CER 0.1-50V	△ PR103	87-A90-091-080		PROTECTOR,2A 491
C31	87-018-209-080		CAP, CER 0.1-50V	△ PT101	87-YP4-613-010		PT,E
C32	87-018-209-080		CAP, CER 0.1-50V	△ RY101	87-A90-143-010		RELAY,DG12D-OS(M)
C33	87-018-209-080		CAP, CER 0.1-50V	△ T101	82-304-743-010		TERMINAL, 1P
C34	87-010-582-010		CAP,E 4700-35	△ T102	82-304-743-010		TERMINAL, 1P
C35	87-010-582-010		CAP,E 4700-35				
C36	87-010-405-080		CAP, ELECT 10-50V				

TRANSISTOR ILLUSTRATION



ECB

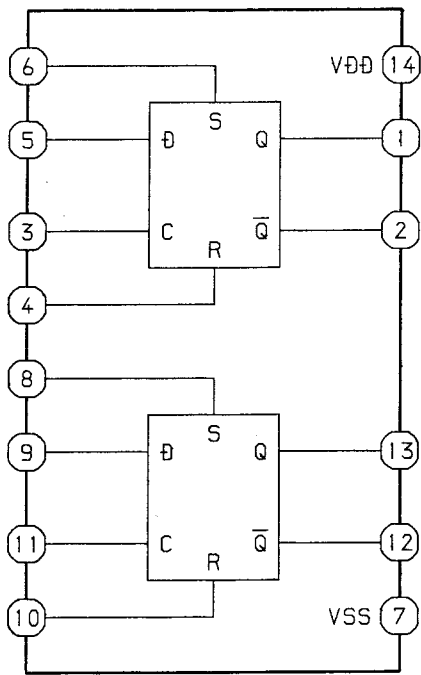
2SA1015
2SC1815
2SC2240
2SD655



BCE

2SD2061

IC BLOCK DIAGRAM
IC, MC140138CP

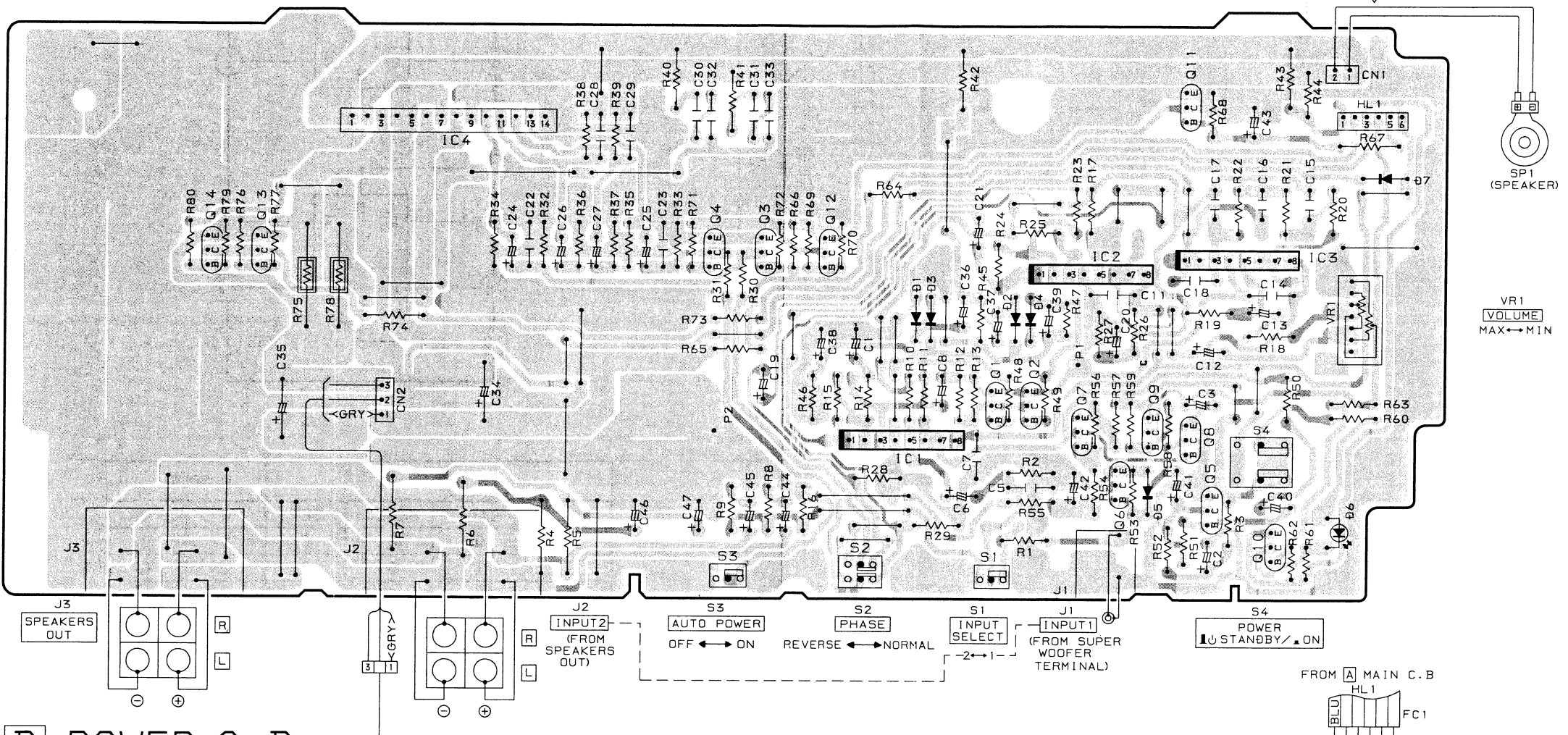


INPUT				OUTPUT	
CLOCK	DATA	RESET	SET	Q	\overline{Q}
	0	0	0	0	1
	1	0	0	1	0
	X	0	0	Q	\overline{Q}
X	X	1	0	0	1
X	X	0	1	1	0
X	X	1	1	1	1

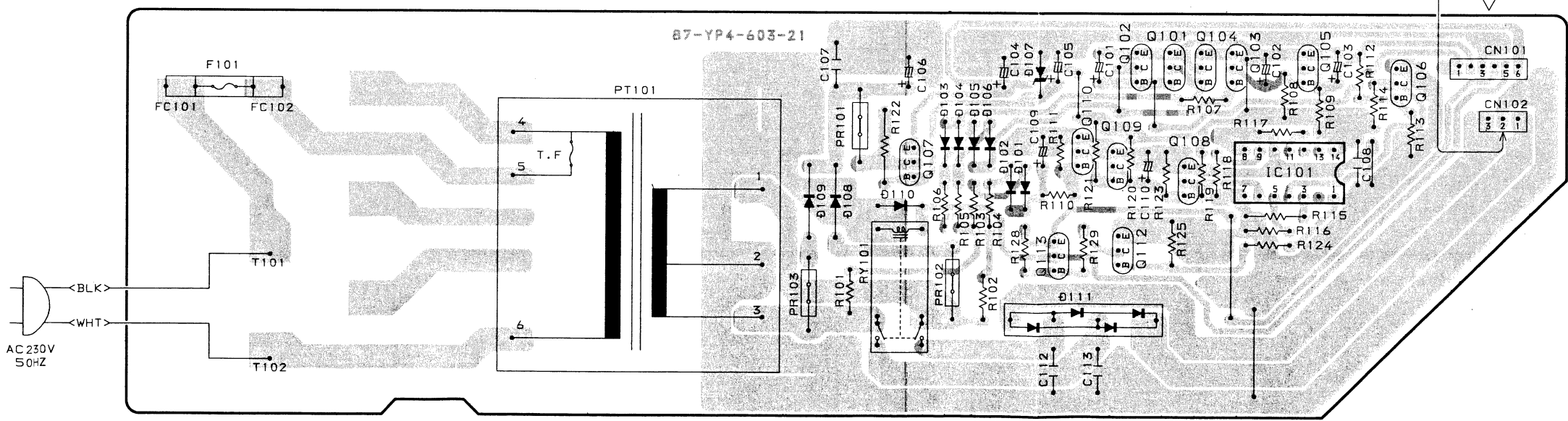
1 2 3 4 5 6 7 8 9 10 11 12 13 14

A
B
C
D
E
F
G
H
I
J

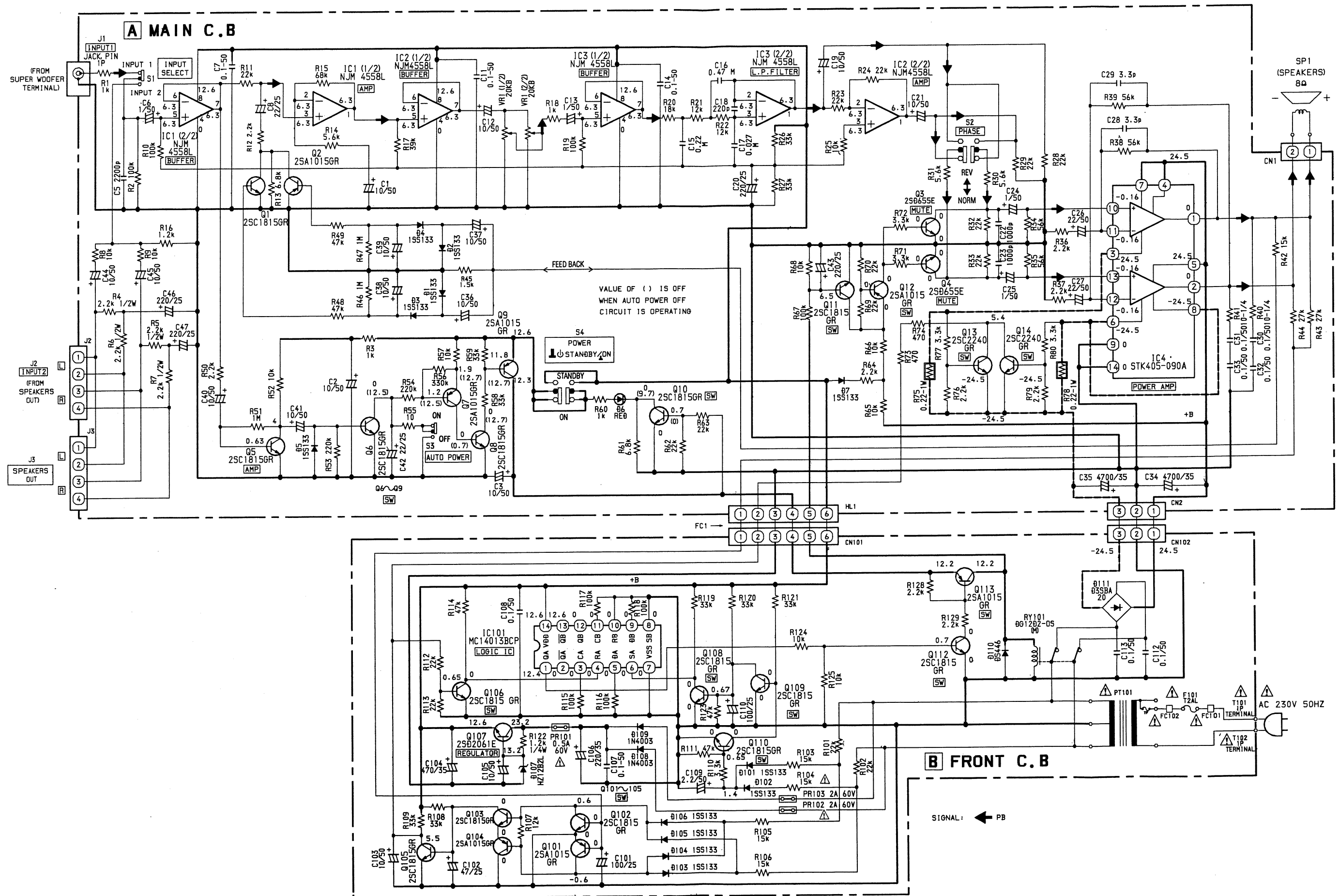
A MAIN C.B

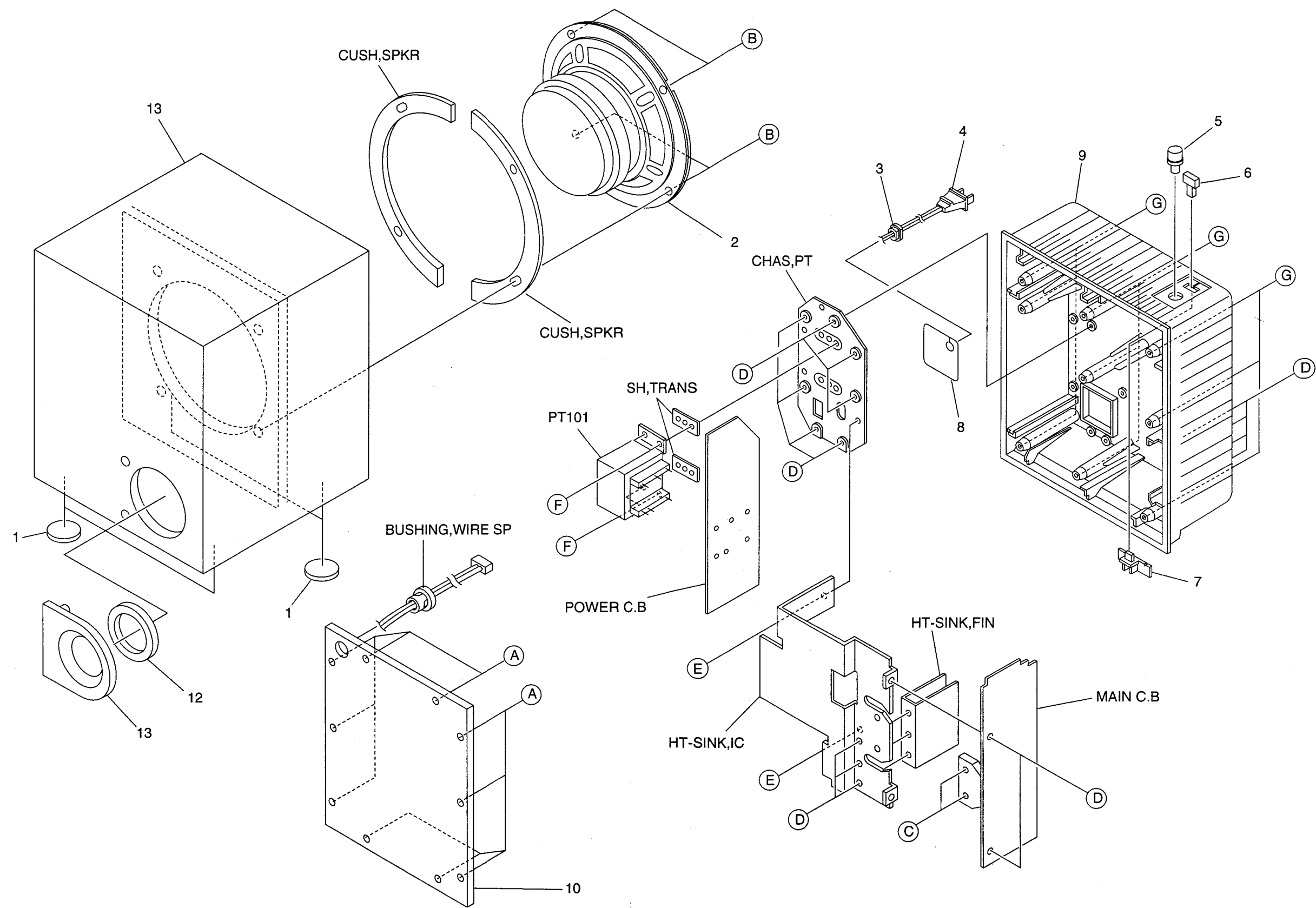


B POWER C.B



SCHEMATIC DIAGRAM





MECHANICAL PARTS LIST 1 / 1

If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF.NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-SP2-208-010		FOOT
2	87-YP4-606-010		SPK
3	86-SP2-637-010		BUSHING, AC U
4	86-SP2-634-010		AC CORD, E<EZ>
4	86-SP2-635-010		AC CORD, K<K>
5	87-YP4-003-010		400-1R7YP-4, KNOB RTRY MAIN
6	87-YP4-004-110		BTN, KNOB POWER
7	87-YP4-005-010		405-1W7YP-4, WINDOW LED
8	86-SP2-030-010		PLATE, AC
9	87-YP4-013-010		CABI, REAR W/TERMINAL
10	87-YP4-010-010		PANEL, WOOD<K>
10	87-YP4-019-010		PANEL, WOOD E1<EZ>
11	87-YP4-002-010		CABI, DUCT
12	87-YP4-206-010		RING, DUCT
13	87-YP4-006-110		CABI, WOOD<K>
13	87-YP4-018-010		CABI, WOOD E1<EZ>
A	87-YP4-211-010		SW+3.5-22
B	87-YP4-217-010		BVT1+3.5-12
C	87-067-698-010		BVT2+3-18 (W/O, SLOT)
D	87-067-703-010		TAPPING SCREW, BVT2+3-10
E	87-067-689-010		TAPPING SCREW, BVTT+3-8
F	87-067-566-010		TAPPING SCREW, VFTT+3-6
G	87-641-101-410		UT1+3-18

REFERENCE NAME LIST

ELECTRICAL SECTION

DESCRIPTION	REFERENCE NAME
ANT	ANTENNAS
C-	CHIP
C-CAP	CAP, CHIP
C-CAP TN	CAP, CHIP TANTALUM
C-COIL	COIL, CHIP
C-DI	DIODE, CHIP
C-DIODE	DIODE, CHIP
C-FET	FET, CHIP
C-FOTR	FILTER, CHIP
C-JACK	JACK, CHIP
C-LED	LED, CHIP
C-RES	RES, CHIP
C-SFR	SFR, CHIP
C-SLIDE SW	SLIDE SWITCH, CHIP
C-SW	SWITCH, CHIP
C-TR	TRANSISTOR, CHIP
C-VR	VOLUME, CHIP
C-ZENER	ZENER, CHIP
CAP, CER	CAP, CERA-SOL
CAP, E	CAP, ELECT
CAP, M/F	CAP, FILM
CAP, TC	CAP, CERA-SOL
CAP, TC-U	CAP, CERA-SOL SS
CAP, TN	CAP, TANTALUM
CERA FIL	FILTER, CERAMIC
CF	FILTER, CERAMIC
DL	DELAY LINE
E/CAP	CAP, ELECT
FILT	FILTER
FLTR	FILTER
FUSE RES	RES, FUSE
MOT	MOTOR
P-DIODE	PHOTO DIODE
P-SNSR	PHOTO SENSER
P-TR	PHOTO TRANSISTOR
POLY VARI	VARIABLE CAPACITOR
PPCAP	CAP, PP
PT	POWER TRANSFORMER
PTR, RES	PTR, MELF
RC	REMOTE CONTROLLER
RES NF	RES, NON-FLAMMABLE
RESO	RESONATOR
SHLD	SHIELD
SOL	SOLENOID
SPKR	SPEAKER
SW, LVR	SWITCH, LEVER
SW, RTRY	SWITCH, ROTARY
SW, SL	SWITCH, SLIDE
TC CAP	CAP, CERA-SOL
THMS	THERMISTOR
TR	TRANSISTOR
TRIMER	CAP, TRIMMER
TUN-CAP	VARIABLE CAPACITOR
VIB, CER	RESONATOR, CERAMIC
VIB, XTAL	RESONATOR, CRYSTAL
VR	VOLUME
ZENER	DIODE, ZENER

MECHANICAL SECTION

DESCRIPTION	REFERENCE NAME
ADHESHIVE	SHEET ADHESHIVE
AZ	AZIMUTH
BAR-ANT	BAR-ANTENNA
BAT	BATTERY
BATT	BATTERY
BRG	BEARING
BTN	BUTTON
CAB	CABINET
CASS	CASSETTE
CHAS	CHASSIS
CLR	COLLAR
CONT	CONTROL
CRSR	CURSOR
CU	CUSHION
CUSH	CUSHION
DIR	DIRECTION
DUBB	DUBBING
FL	FRONT LOADING
FLY-WHL	FLYWHEEL
FR	FRONT
FUN	FUNCTION
G-CU	G-CUSHION
HDL	HANDOL
HIMERON	CLOTH
HINGE, BAT	HINGE, BATTERY
HLDR	HOLDER
HT-SINK	HEAT SINK
IB	INSTRUCTION BOOKLET
IDLE	IDLER
IND, L-R	INDICATOR, L-R
KEY, CONT	KEY, CONTROL
KEY, PRGM	KEY, PROGRAM
KNOB, SL	KNOB, SLIDE
LBL	LABEL
LID, BATT	LID, BATTERY
LID, CASS	LID, CASSETTE
LVR	LEVER
P-SP	P-SPRING
PANEL, CONT	PANEL, CONTROL
PANEL, FR	PANEL, FRONT
PRGM	PROGRAM
PULLY, LOAD MO	PULLY, LOAD MOTOR
RBN	RIBBON
S-	SPECIAL
SEG	SEGMENT
SH	SHEET
SHLD-SH	SHIELD-SHEET
SL	SLIDE
SP	SPRING
SP-SCREW	SPECIAL-SCREW
SPACER, BAT	SPACER, BATTERY
SPR	SPRING
SPR-P	P-SPRING
SPR-PC-PUSH	P-SPRING, C-PUSH
T-SP	T-SPRING
TERM	TERMINAL
TRIG	TRIGGER
TUN	TUNING
VOL	VOLUME
W	WASHER
WHL	WHEEL

サービス技術ニュース	
番号	連絡内容
G- -	
G- -	
G- -	

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